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II. Claims

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1-16. Cancelled

- 17. (Previously Presented) A method of increasing the adherence of non-hardenable coating materials on ferrous materials comprising contacting the ferrous material with an aqueous mixture of the non-hardenable coating materials and a material which hardens in the presence of water thereby forming a coating film on the ferrous material surface.
- 18. (Currently Amended) The method of elaim 1 claim 17 wherein the material used to harden the coating film is selected from the group consisting of Portland cements, pozzolanic cements, aluminous cements and mixtures thereof.
- 19. (Currently Amended) The method of elaim 2 claim 18 wherein the cements have particle size distribution between 0.01 micrometer and 100 micrometers.
- 20. (Currently Amended) The method of elaim 2 claim 18 wherein the weight ratio of cement to ferrous material is between 1 to 40 and 1 to 5.
- 21. (Currently Amended) The method of elaim 1 claim 17, wherein the non-hardenable material used to coat the ferrous material surface is selected from the group consisting of bentonite clays, bauxite, aluminum containing clay and mixtures thereof.
- 22. (Previously Presented) The method of claim 21 wherein the non-hardenable material has particle size distribution between 0.01micrometer and 500 micrometers.
- 23. (Previously Presented) The method of claim 21 wherein the non-hardenable material has particle size distribution between 0.05 micrometer and 100 micrometers.
- 24. (Previously Presented) The method of claim 21 wherein the non-hardenable material ranges from 0.01% by weight to approximately 2% by weight in relation to the dry weight of the ferrous material to be coated.

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25. (Currently Amended) The method of claim 1 claim 17, wherein the ferrous material is pellet, briquette, sized or fine ore.

26. (Currently Amended) The method of elaim 1 claim 17, wherein the sum of hardenable plus non-hardenable material in the water dispersion ranges from 1 to 80% by weight of the dispersion.

27. (Currently Amended) The method of claim 1 claim 17, wherein the contacting is by means of dipping, spraying or sprinkling.

28. (Currently Amended) The method of elaim-1 claim 17, wherein the coat film hardening is achieved by the cure reaction of cement in air.

29. (Previously Presented) In a method of reducing the formation of agglomerates of ferrous materials during reduction of such materials by coating the ferrous materials with an aqueous dispersion of a non-hardenable coating, the improvement comprising concurrently coating the ferrous material with a material which hardens in the presence of water.

30. (Currently Amended) A coated ferrous material with significantly lower agglomeration formation during reduction produced by the process of elaim 1 claim 17.

31. (Previously Presented) A coated ferrous material with low agglomeration formation during reduction as compared to uncoated ferrous material where the coating comprises a mixture of a non-hardenable coating material and a hardened coating material.

32. (Previously Presented) The ferrous material of claim 31 where the non-hardenable coating material is selected from the group consisting of bentonite clays, bauxite, aluminum containing

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clay and mixtures thereof and a hardened coating material is selected from the group consisting
of Portland cements, pozzolanic cements, aluminous cements and mixtures thereof.

33. Cancelled